

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|---------------------|
| S1 | 1 | "7069025".pn. | US-PGPUB; USPAT | OR | ON | 2007/11/20 13:50 |
| S2 | 16 | ("5119104" "5150310" "5365516" "5525081" "5526357" "5596330" "5764188" "5890068" "6121926" "6127976" "6150921" "6268723" "6308428" "6317082" "6459704").PN. OR ("7069025").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 13:55 |
| S3 | 3299 | 455/456.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 13:55 |
| S4 | 653 | 455/456.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 13:55 |
| S5 | 813 | 455/456.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 13:55 |
| S6 | 693 | 455/456.5.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 13:56 |
| S7 | 593 | 455/456.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 13:56 |
| S8 | 2683 | 455/67.11.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 13:56 |
| S9 | 7289 | S3 S4 S5 S6 S7 S8 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S10 | 25 | S9 and ((leading adj edge) and correlation) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:05 |

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|-----|------|--|------------------------------|----|----|---------------------|
| S11 | 1155 | S9 and (correlation) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 14:50 |
| S12 | 309 | S11 and ((sn (signal near2 noise)) near ratio) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 15:56 |
| S13 | 29 | S12 and (dual near mode) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 14:54 |
| S14 | 4 | eric near2 rush | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 15:57 |
| S16 | 26 | ping near2 hsieh | USPAT | OR | ON | 2007/11/20 15:58 |
| S17 | 0 | S16 and "455"/\$. ccls. | USPAT | OR | ON | 2007/11/20 15:58 |
| S18 | 0 | S16 and "455". clas. | USPAT | OR | ON | 2007/11/20 15:59 |
| S19 | 18 | mccrady near dennis | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 17:45 |
| S20 | 0 | S9 and (dradient same ((leading near2 edge) toa (time near2 arrival))) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 17:46 |
| S21 | 6 | S9 and (gradient same ((leading near2 edge) toa (time near2 arrival))) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |
| S22 | 1 | 10/580497.app. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 18:03 |
| S23 | 1 | "5764686".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:05 |
| S24 | 3299 | 455/456.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |
| S25 | 653 | 455/456.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |
| S26 | 813 | 455/456.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |

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| S27 | 693 | 455/456.5.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |
| S28 | 593 | 455/456.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |
| S29 | 2683 | 455/67.11.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |
| S30 | 7289 | S24 S25 S26 S27 S28 S29 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:09 |
| S31 | 4 | S30 and (gradient with threshold) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:11 |
| S32 | 87 | S30 and gradient | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:15 |
| S33 | 578 | (leading near edge) with gradient | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:17 |
| S34 | 220314 | S30 an S33 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:16 |
| S35 | 1 | S30 and S33 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:16 |
| S36 | 95 | ((time near2 arriv \$3) toa tdoa) with gradient | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:22 |
| S37 | 118 | ((time near3 arriv \$3) toa tdoa) with gradient | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 10:22 |
| S38 | 3299 | 455/456.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S39 | 653 | 455/456.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S40 | 813 | 455/456.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S41 | 693 | 455/456.5.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |

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| S42 | 593 | 455/456.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S43 | 2683 | 455/67.11.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S44 | 7289 | S38 S39 S40 S41 S42 S43 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S45 | 7289 | S44 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:44 |
| S46 | 1619 | S45 and (toa tdoa (time near3 arriv \$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:45 |
| S47 | 1478 | S46 and ((determin \$5 calculat\$3 estimat\$3) with (location position)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:46 |
| S48 | 613 | ((toa tdoa (time near3 arriv\$3)) and ((determin\$5 calculat\$3 estimat \$3) with (location position))) .ab. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:47 |
| S49 | 221 | S48 and threshold | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:48 |
| S50 | 54 | S49 and S45 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 11:48 |
| S51 | 3553 | 455/456.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |
| S52 | 703 | 455/456.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |
| S53 | 884 | 455/456.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |
| S54 | 734 | 455/456.5.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |
| S55 | 627 | 455/456.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |

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| S56 | 2797 | 455/67.11.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |
| S57 | 7723 | S51 S52 S53 S54 S55 S56 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |
| S58 | 25 | S57 and ((leading near edge) and correlation) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:04 |
| S59 | 864 | S57 and ((snr (signal near2 noise)) near ratio) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:06 |
| S60 | 8 | S58 and ((snr (signal near2 noise)) near ratio) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 10:11 |
| S61 | 1 | "5764686".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/13 14:59 |
| S62 | 3553 | 455/456.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |
| S63 | 703 | 455/456.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |
| S64 | 884 | 455/456.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |
| S65 | 734 | 455/456.5.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |
| S66 | 627 | 455/456.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |
| S67 | 2797 | 455/67.11.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |
| S68 | 7723 | S62 S63 S64 S65 S66 S67 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |
| S69 | 33 | S68 and ((leading near edge) and (time near2 period)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:39 |

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| S70 | 3 | S68 and ((leading near edge) and (transmit near2 period)) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:41 |
| S71 | 130 | S68 and (((leading near edge) toa) same ((reduc\$3 decreas\$3) (window interval period))) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 16:59 |
| S72 | 7 | S68 and (((leading near edge) toa) same ((reduc\$3 decreas\$3) with (window interval period))) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 17:11 |
| S73 | 53 | S68 and (((leading near edge) toa) and ((reduc\$3 decreas\$3) with (window interval period))) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/14 17:12 |
| S74 | 719 | (((leading near edge) toa) same ((reduc\$3 decreas \$3) with (window interval period))) | USPAT | OR | ON | 2008/04/14 18:34 |
| S75 | 42 | S74 and ("455". clas. "375". clas. "370". clas.) | USPAT | OR | ON | 2008/04/14 18:35 |
| S76 | 34 | (((leading near edge) toa) same ((reduc\$3 decreas \$3) with next with (window interval period))) | USPAT | OR | ON | 2008/04/14 18:37 |
| S77 | 17 | (((leading near edge) toa) and ((reduc\$3 decreas \$3) with next with (window interval period))) and ("455". clas. "375". clas. "370". clas.) | USPAT | OR | ON | 2008/04/14 18:42 |

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|-----|------|---|------------------------|----|----|------------------|
| S78 | 44 | ((leading near edge) toa) and ((reduc\$3 decreas \$3) with next with (time window interval period))) and ("455".clas. "375".clas. "370". clas.) | USPAT | OR | ON | 2008/04/14 18:48 |
| S79 | 0 | 10/580497.app. | USPAT | OR | ON | 2008/04/14 18:58 |
| S80 | 1 | 10/580497.app. | US-PGPUB; USPAT | OR | ON | 2008/04/14 18:58 |
| S81 | 414 | (leading near edge) with (zero near crossing) | US-PGPUB; USPAT | OR | ON | 2008/04/14 19:11 |
| S82 | 35 | S81 and ("455". clas. "375".clas. "370".clas.) | USPAT | OR | ON | 2008/04/14 19:11 |
| S83 | 1 | 11/253827.app. | US-PGPUB; USPAT | OR | ON | 2008/04/15 09:05 |
| S84 | 3797 | 455/456.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/23 12:06 |
| S85 | 769 | 455/456.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/23 12:06 |
| S86 | 984 | 455/456.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/23 12:06 |
| S87 | 775 | 455/456.5.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/23 12:06 |
| S88 | 683 | 455/456.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/23 12:06 |
| S89 | 2959 | 455/67.11.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/23 12:06 |
| S90 | 8268 | S84 S85 S86 S87 S88 S89 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/23 12:06 |
| S91 | 502 | S90 and (snr (signal near noise) with threshold) | US-PGPUB; USPAT | OR | ON | 2008/09/23 12:06 |

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| S92 | 135 | S90 and ((snr (signal near noise)) with threshold) | US-PGPUB; USPAT | OR | ON | 2008/09/23 12:07 |
| S93 | 2 | (leading near edge near gradient) with threshold | US-PGPUB; USPAT | OR | ON | 2008/09/23 15:25 |
| S94 | 85 | (leading near edge near gradient) | US-PGPUB; USPAT | OR | ON | 2008/09/23 15:26 |
| S95 | 2 | (leading near edge near gradient) and ("375".clas. "455". clas.) | US-PGPUB; USPAT | OR | ON | 2008/09/23 15:27 |
| S96 | 4022 | 455/456.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S97 | 833 | 455/456.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S98 | 1053 | 455/456.3.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S99 | 815 | 455/456.5.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S100 | 722 | 455/456.6.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S101 | 3095 | 455/67.11.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S102 | 8741 | S96 S97 S98 S99 S100 S101 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S103 | 9516 | S102 455/404.2.ccls. 455/414.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:20 |
| S104 | 1446 | S103 and ((measur \$5 detect\$3 estimat \$3 determin\$6) with (toa (time near2 arriv\$3) (first adj path) los (line adj of adj sight) (earliest adj3 time))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:25 |

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|------|--------|--|------------------------------|----|----|---------------------|
| S105 | 411 | S103 and ((measur \$5 detect\$3 estimat \$3 determin\$6) with (toa (time adj of adj arriv\$3) (line adj of adj sight))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 11:28 |
| S106 | 1 | "5764686".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 13:28 |
| S107 | 1 | 10/580497.app. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 15:01 |
| S108 | 184934 | leading adj edge | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 16:14 |
| S109 | 249 | (leading adj edge) near3 gradient | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 16:14 |
| S110 | 2 | S109 and ("455". clas. "375".clas.) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 16:14 |
| S111 | 625 | (leading adj edge) with gradient | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 16:16 |
| S112 | 7 | S111 and ("455". clas. "375".clas.) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 16:16 |
| S113 | 126 | airport and 455/41.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 17:39 |
| S114 | 6 | airport and 455/41.2.ccls. and silent | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 17:39 |
| S115 | 4 | air and 455/41.2. ccls. and silent adj mode | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 17:40 |
| S116 | 4 | movie and 455/41.2.ccls. and silent adj mode | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/11 17:41 |

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